Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/29/2017 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123914	-1	1.72	123780	1.70
Blue	F	SSC	125000	123617	-2	2.60	124026	2.39
Blue	E	FITC	23615	22841	-4	2.67	1012	10.58
Blue	D	PE	26739	26208	-2	2.30	941	10.01
Blue	B	PerCP-Cy5-5	48339	47436	-2	3.51	1364	16.72
Blue	A	PE-Cy7	45021	44840	-1	5.23	693	37.21
Red	C	APC	53064	52057	-2	2.85	3013	9.48
Red	A	APC-Cy7	57175	56079	-2	2.86	1160	11.28
Violet	B	V450	14728	14147	-4	4.75	680	9.10
Violet	A	V500	58621	57837	-2	4.57	2560	6.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19590	2.58	607	-7	N/A	N/A	Pass
Blue	F	SSC	60987	1.72	549	3	N/A	N/A	Pass
Blue	E	FITC	115	37.93	546	-2	0.0194	63	Pass
Blue	D	PE	207	29.65	536	0	0.1580	257	Pass
Blue	B	PerCP-Cy5-5	214	46.33	635	0	0.0106	182	Pass
Blue	A	PE-Cy7	74	124.43	695	2	0.0108	13	Pass
Red	C	APC	347	27.77	598	1	0.0202	59	Pass
Red	A	APC-Cy7	127	41.78	582	2	0.0056	1956	Pass
Violet	B	V450	82	41.27	468	-2	0.0512	2035	Pass
Violet	A	V500	188	21.47	496	-1	0.0152	228	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.37	0.85
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.65	14.40 - 21.60	N/A	N/A	31.27	31.81	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13481

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments